

FIGURE 1

Scheme 1: synthesis of difluorocombretastatin

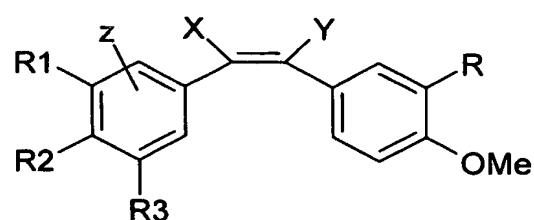
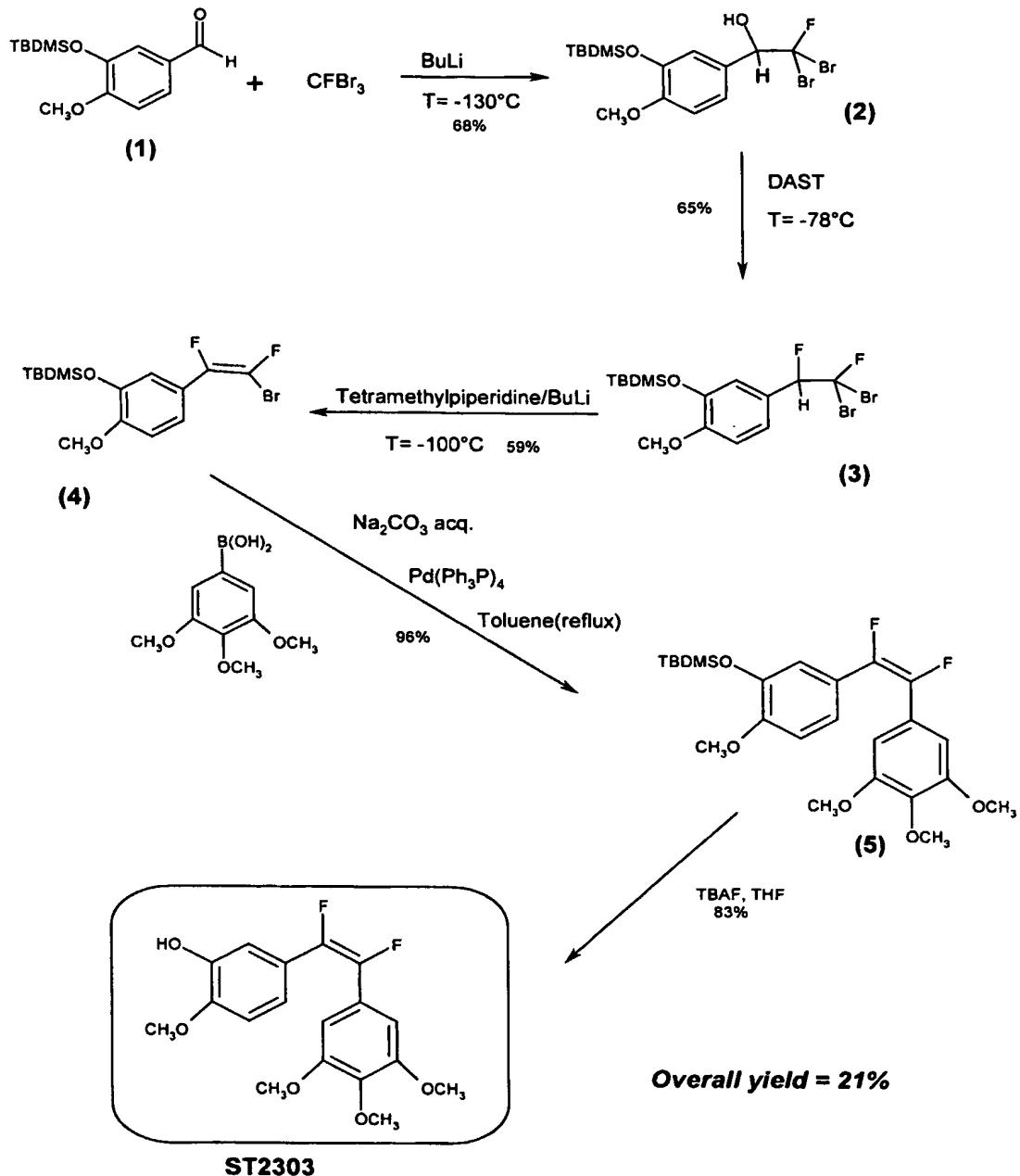


FIGURE 2

Scheme 2: Synthesis of difluoro-Nitro- and difluoro-Amino-combretastatin

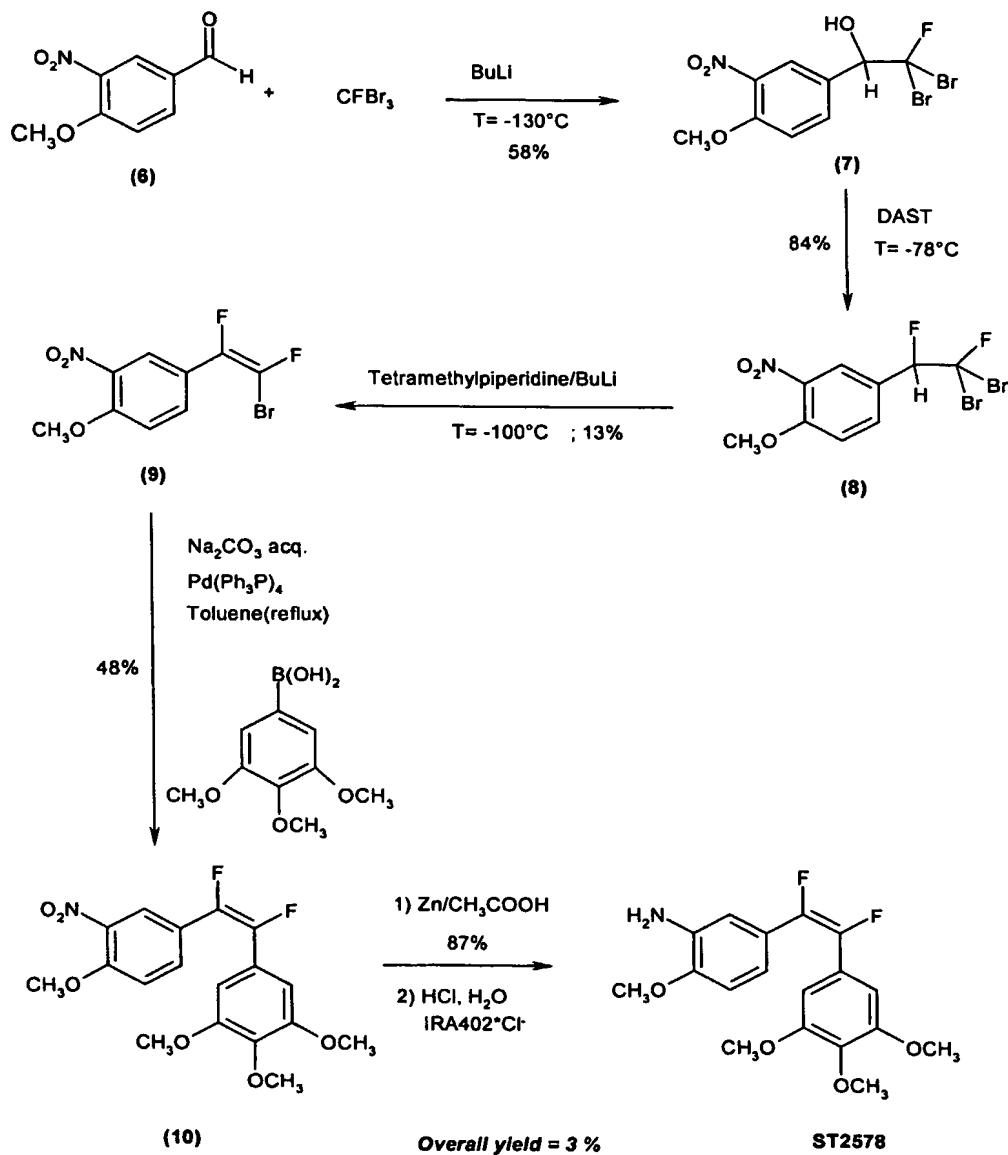
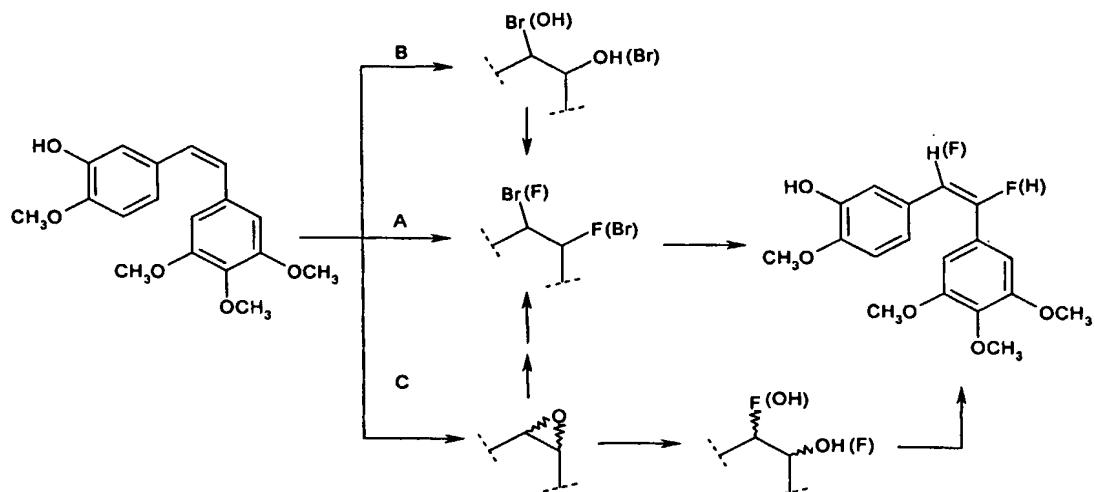
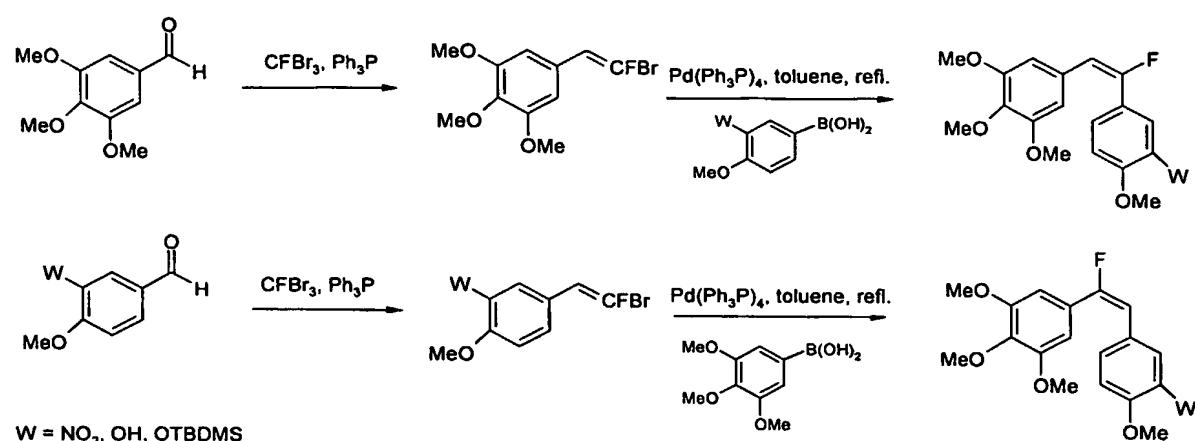


FIGURE 3

Scheme 3: Synthesis of monofluorocombretastatins



Scheme 3a: Total synthesis approach to monofluorocombretastatin



W = NO₂, OH, OTBDMS

FIGURE 4

Scheme 4: Synthesis of disodium-phosphate prodrug difluorocombretastatin (ST2493)

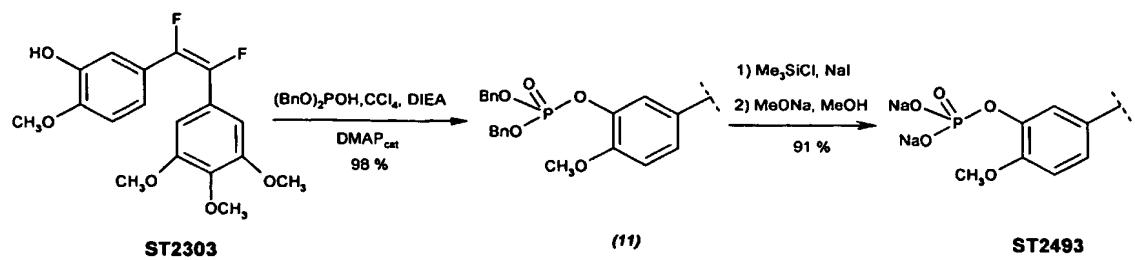
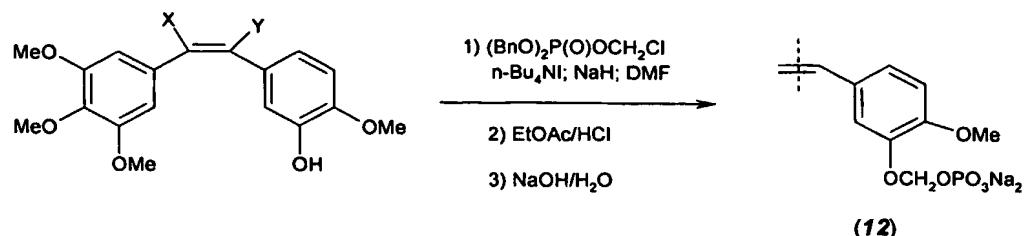


FIGURE 5

Scheme 5: Synthesis of disodium mono-difluorocombretastatin-4-O-methyloxyphosphate [12]

**FIGURE 6**

Scheme 6: General Procedure for obtaining amide derivatives [13].

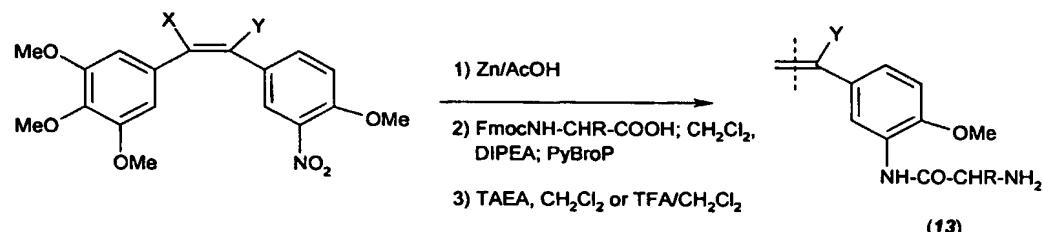


FIGURE 7

Scheme 7: Synthesis of bromofluorocombretastatin

